

2-[2-[2-[2-[2-[2-[2-[2-[2-(2,2,2-Trifluoroacetyl)oxy

Other names: 2,2,2-trifluoroacetate

Decaethylene glycol bis(trifluoroacetate)

32,32,32-Trifluoro-31-oxo-3,6,9,12,15,18,21,24,27,30-decaoxadotriacont-1-yl

trifluoroacetate

Inchi: InChI=1S/C24H40F6O13/c25-23(26,27)21(31)42-19-17-40-15-13-38-11-9-36-7-5-34-3-1

InchiKey: FQNGKEIYOVGRJO-UHFFFAOYSA-N

Formula: C24H40F6O13

SMILES: O=C(OCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOCCOC(=O)C(F)(F)F)C(F)(F)F

Mol. weight [g/mol]: 650.56

Physical Properties

Property code	Value	Unit	Source
gf	-2424.82	kJ/mol	Joback Method
hf	-3412.43	kJ/mol	Joback Method
hfus	77.83	kJ/mol	Joback Method
hvap	101.53	kJ/mol	Joback Method
log10ws	-0.70		Crippen Method
logp	1.347		Crippen Method
mcvol	427.350	ml/mol	McGowan Method
pc	687.09	kPa	Joback Method
rinpol	2923.70		NIST Webbook
tb	1092.04	K	Joback Method
tc	1435.07	K	Joback Method
tf	713.01	K	Joback Method
vc	1.675	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1514.42	J/molxK	1092.04	Joback Method
cpg	1524.41	J/molxK	1149.21	Joback Method
cpg	1527.55	J/molxK	1206.38	Joback Method
cpg	1523.65	J/molxK	1263.55	Joback Method
cpg	1512.51	J/molxK	1320.72	Joback Method
cpg	1493.96	J/molxK	1377.89	Joback Method
cpg	1467.79	J/molxK	1435.07	Joback Method

